

IAES Activity 93: Instructions for Optional 3D Graph

1. Open an Excel Workbook page.
2. Enter the data on to the spreadsheet just like it is recorded on Student Sheet 93.1, “Class Data for the Planet Surface.”
3. Highlight the entire data field.
4. Click on “Insert” on the menu bar.
5. Click on “Chart” and then “Surface Charts,” on the top menu bar, (you may have to scroll down the list of “other charts” to find “surface charts.”)
6. There will be a choice of either a 2-dimensional or 3-dimensional chart. Click on the 3-dimensional chart.
7. Depending on your computer, either click “next” to add the chart and axes titles or click on “Layout,” on the top menu bar, to add a chart title or axis titles if desired.

Follow the appropriate instructions for Steps 8 and 9 in the chart below for the computer you are using:

Step	PC	Mac
8.	Click on “Layout” or “Chart,” and then 3-D Rotation on the top menu bar.	Click on “Chart” and “3-D view.”
9.	As you change the degree of rotation of the “X” axis (click on the up or down arrow by the x-axis), the image of the landform will rotate so it can be seen from different angles.	Click on the arrow showing rotation and then “apply” to rotate the image. Continue clicking on both of these in sequence until the image rotates completely around.

10. Students can print the image if desired.